

## Satellite®

Model Name	Description	Part Number	UPC Code
Satellite M45-S331	Intel® Pentium® M processor 730, 512MB DDR SDRAM, 80GB HDD, 15.4" WXGA, DVD SuperMulti, 802.11b/g, Microsoft® Windows® XP Home (SP2), TOSHIBA® Express Media Player, i.LINK® 1394/Bridge Media adapter	PSM40U-01R001	032017296794
Satellite M45-S351	Intel® Pentium® M processor 740, 512MB DDR SDRAM, 100GB HDD, 15.4" WXGA, DVD SuperMulti, 802.11b/g, Microsoft® Windows® XP Home (SP2), TOSHIBA® Express Media Player, i.LINK® 1394/Bridge Media adapter	PSM40U-01X001	032017297104
Satellite M45-S3511	Intel® Pentium® M processor 740, 512MB DDR SDRAM, 100GB HDD, 15.4" WXGA, DVD SuperMulti, 802.11b/g, Microsoft® Windows® XP Pro (SP2), TOSHIBA® Express Media Player, i.LINK® 1394/Bridge Media adapter	PSM40U-01X002	032017297111

## System Characteristics<sup>1</sup>

### Operating System

- Microsoft® Windows® XP Home (SP2) (S331, S351)
- Microsoft Windows XP Professional (SP2) (S3511)
- TOSHIBA® Express Media Player for quick access to CD, DVD playback

### CPU<sup>2</sup>

#### Intel® Centrino™ Mobile Technology featuring

- Intel Pentium® M processor 730 [1.60GHz, 2MB L2 cache, 533MHz FSB] (S331)
- Mobile Intel 915GM Express Chipset
- Intel PRO/Wireless 2200BG (802.11b/g)<sup>3</sup>
- Intel Pentium® M processor 740 [1.73GHz, 2MB L2 cache, 533MHz FSB] (S351, S3511)
- Mobile Intel 915GM Express Chipset
- Intel PRO/Wireless 2200BG (802.11b/g)<sup>4</sup>

### Memory<sup>5</sup>

- 512MB (Min)/2048MB (Max with two slots occupied)
- PC2700 DDR333 SDRAM 2.5V SODIMM Memory modules
- Featured models configured with 512MB (both slots may be occupied)

### Mass Storage

- Hard Disk Drives<sup>6</sup>
  - 80GB (4200RPM), Enhanced IDE (ATA-5) hard disk drive; 9.5mm height; user removable) (S331)
  - 100GB (4200RPM), Enhanced IDE (ATA-5) hard disk drive; 9.5mm height; user removable) (S351, S3511)
- Optical Disk Drive
  - Fixed Bay DVD SuperMulti drive
    - Maximum Speed
      - CD-ROM(24x:read), CD-R(24x:write), CD-RW(4x:write), DVD-ROM(8x:read), DVD-R(8x:write), DVD-RW(4x:write), DVD+R(8x:write), DVD+RW(4x:write), DVD-RAM(3x:write)
    - Compatibility
      - CD-ROM(read), CD-R(read/write), CD-RW(read/write), DVD-ROM(read), DVD-R(read/write), DVD-RW(read/write), DVD+R(read/write), DVD+RW(read/write), DVD-RAM(read/write)
  - ODD Interface – Enhanced IDA

### Display<sup>7</sup>

- 15.4" diagonal widescreen TruBrite™ TFT active-matrix LCD display at 1280 x 800 native resolution
- Contrast 400:1
- Brightness Control – FN+F6/ F7

### Graphics

- Intel® Graphics Media Accelerator 900, 64-128MB Internal (UMA) shared video memory

### Input Devices

- Keyboard
  - 85 key US keyboard, 2.7mm key stroke, 6mm keyboard height, 19.05mm key pitch

- Hot Key Functions (FN); please see electronic User's Guide for more information
- Windows Key Function
- Application Key Function
- TouchPad™ (scroll with help of driver)
- Internet Button
- CD Control Button
  - Express Media Player button, Skip Previous, Skip Next, Play/Pause, Stop

### Expandability

- 2 available expansion memory slots (both slots may be occupied at time of purchase)
- 1 PC Card slot support 1 Type II, PCMCIA R2.01, PC Card16, CardBus
- Bridge Media Adapter<sup>8</sup> (Secure Digital®, Memory Stick™, Memory Stick PRO™, SmartMedia™, Multi Media Card, xD Picture Card [shared slots])

### Communications

- Integrated V.92 modem
- Marvell® 10BASE-T/100BASE-TX Ethernet
- Integrated Intel® Pro/Wireless LAN 2200BG (802.11BG)

### Ports and Slots

- RGB (monitor out port)
- 3 Universal Serial Bus (USB) ports
- TV-Out (S-Video)
- RJ11 modem port
- RJ45 LAN port
- i.LINK™ IEEE 1394<sup>9</sup>

### Physical Description

- Dimensions (WxDxH[front/back]): 14.17"x10.55"x1.14"/1.71" without feet
- Weight<sup>10</sup>: starting at 6.20 lbs.
- Switch: Power, Wireless Communication
- LED Indicators: Power (common with Power/System Sleep Status), DC-IN, Primary HDD access, Power Save mode (with ACPI-OS, common to Power), Caps Lock, Arrow mode, Numeric mode, Main Battery Charging Status, System Sleep/Suspend Status (common with Power/System Sleep Status), Wireless Communication (for Wireless LAN), SD Card, System sleep status (shared with Power)

### Sound

- Analog Devices, Inc. AD1981D Software Sound, AC'97 Rev2.2 Compatible
- 16-bit stereo; Built-in harman/kardon® stereo speakers
- Direct 3D Sound; DirectSound, Direct Music, MIDI (playback) Support
- Audio Ports: External Microphone (monoaural), Headphone (stereo), Sound Volume (by dial)

### Power Supply

- 75W (15V x 5A) Auto sensing external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input.
- Dimensions (WxHxD): 5.35" x 2.09" x 1.18"
- Weight<sup>11</sup>: starting at .88 lbs

### Battery<sup>12</sup>

- 6-cell (4300mAh) rechargeable, removable Lithium Ion (Li-Ion)
- Dimensions (WxHxD): 8.13" x 0.87" x 1.1"
- Weight<sup>13</sup>: .071 lbs
- Recharge Time: Main Battery Off/On – approximately 4.0 hours hrs/approximately 12 hours

- Battery Life: Up to 2 hour, 45 minutes (when using in Windows® mode) (measured by Mobilemark™ 2002)<sup>14</sup>

## Security

- Slot for cable lock, Memory (by one screw), Main HDD (by six screws)
- Passwords: User Power on Password, CPU Serial Number, Setup, Supervisor Password
- Hotkey locks: Keyboard (FN+F1), Screen Blank
- Software: Screen Saver

## BIOS

- APM Support (V1.2), ACPI Support (V1.0b), PnP Support (V1.0), VESA Support, DPMS Support, DDC Support, SM BIOS Support (V2.3), PCI BIOS Support (V2.1)

## Software

### TOSHIBA Software and Utilities

- TOSHIBA Express Media Player
- TOSHIBA ConfigFree™
- TOSHIBA Custom Utilities
- TOSHIBA Common Modules
- TOSHIBA Hotkey Utility for Display Devices
- TOSHIBA Zooming Utility
- TOSHIBA Power Saver
- TOSHIBA Utilities
- TOSHIBA Controls
- TOSHIBA Wireless Hotkey
- TOSHIBA Touch Pad On/Off Utility
- TOSHIBA Touch and Launch
- TOSHIBA Display Device Change Utility
- TOSHIBA Speech System
- TOSHIBA PC Diagnostic Tool
- TOSHIBA CD/DVD Drive Acoustic Silencer
- Satellite M45 Electronic User's Guide

### Third-party Software<sup>16</sup>

- Microsoft® Office® OneNote™ 2003
- Microsoft® Works™ Version 8.0 with Office® 2003 Trial - Student/Teacher Edition
- Sun® Java™ 2 Runtime Environment
- Adobe® Acrobat® Reader version 5.0
- Software Decoder: InterVideo® (WinDVD™ 5)
- InterVideo® WinDVD™ Creator 2 Platinum
- Sonic™ Solutions RecordNow!™ Basic for TOSHIBA
- Sonic™ Solutions Drive Letter Access (DLA)
- Microsoft® Windows® Media Player version 10
- Napster® Digital Music Service – 30 days trial
- Easy FireWall – 30 days trial
- Norton® AntiVirus™ 2004 – w/3-Month Subscription
- AOL® version 9.0 – 3-Month offer<sup>17</sup>
- AT&T® Worldnet® Service – 1 Month offer
- Intuit® Quicken® New User Edition 2004
- QuickTime™ Player
- RealOne™ Player 8 Basic

### Environmental Specifications<sup>18</sup>

	Operating	Non-Operating
<b>Temperature</b>	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
<b>Thermal Gradient</b>	15°C per hour maximum	20°C per hour maximum
<b>Relative Humidity</b>	20% to 80%	10% to 90%
<b>Altitude (relative to sea level)</b>	-60 to 3000 meters	-60 to 10,000 meters
<b>Shock</b>	7G, 1.5G when CD/DVD-ROM installed	60G
<b>Vibration</b>	0.2G, 0.25G when CD/DVD-ROM installed	1G

## Limited Warranty

- 1-year Standard, Limited Warranty
- Limited Warranty Upgrades and Extensions  
Toshiba offers many different warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of

programs, please visit [www.accessories.toshiba.com](http://www.accessories.toshiba.com)  
Recommended Services

## Extended Warranty

Extends the standard warranty for up to 4 years from the original notebook purchase date. See Toshiba Service Plan Agreement for program terms and conditions at [www.pcsupport.toshiba.com](http://www.pcsupport.toshiba.com).

Part Number	Description
SWC-PEQQ2V	2 <sup>nd</sup> Year Warranty Extension
SWP-PEQQ3V	2 <sup>nd</sup> /3 <sup>rd</sup> Year Warranty Extension

### SystemGuard Accidental Damage Coverage<sup>1</sup>

Provides coverage of accidental damage caused by drops, spills and even screen breakage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGQ1V	1 <sup>st</sup> Year
SWC-PEGQ2V	1 <sup>st</sup> /2 <sup>nd</sup> Year + Warranty Extension
SWP-PEGQ3V	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Year + Warranty Extension

### ServiceExpress

Select your express repair service with either Depot Express or Carry-In Express. Depot Express: Notebook repaired the same day it is received, and returned via overnight delivery. Shipping and box provided. Carry-In Express: Notebook repaired by the next business day at any Premier Authorized Service Provider. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSQP1V	1 <sup>st</sup> Year
SWC-PEQP2V	1 <sup>st</sup> /2 <sup>nd</sup> Year + Warranty Extension
SWP-PEQP3V	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Year + Warranty Extension

### At-Home Repair

A technician arrives with parts at the customer's business location the next business day and performs the necessary hardware repairs. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSQH1V	1 <sup>st</sup> Year
SWC-PEQH2V	1 <sup>st</sup> /2 <sup>nd</sup> Year + Warranty Extension
SWP-PEQH3V	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Year + Warranty Extension

### SystemGuard1 + ServiceExpress

Combines SystemGuard and ServiceExpress coverage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGP1V	1 <sup>st</sup> Year
SWC-PEGP2V	1 <sup>st</sup> /2 <sup>nd</sup> Year + Warranty Extension
SWP-PEGP3V	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Year + Warranty Extension

### SystemGuard1 + At-Home Repair

Combines SystemGuard and Business On-Site Repair coverage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGH1V	1 <sup>st</sup> Year
SWC-PEGH2V	1 <sup>st</sup> /2 <sup>nd</sup> Year + Warranty Extension
SWP-PEGH3V	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Year + Warranty Extension

## Accessories

For additional and most updated accessories, please visit [www.accessories.toshiba.com](http://www.accessories.toshiba.com)

Category	Part Number	Description
Memory	KTT3311/256	Kingston DDR 333, 256MB

Memory	KTT3311/512	Kingston DDR 333, 512MB
Memory	KTT3311/1G	Kingston DDR 333, 1GB
Power	PA3283U-2ACA	Toshiba 75W Global AC Adapter
Power	PA3399U-1BRS	Toshiba Primary Li Ion Battery Pack (6 Cell)
Power	PA3400U-1BRS	Toshiba Primary High Capacity Li Ion Battery Pack (12 Cell)
Storage	PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit

Security & Protection	PA1370U-1ETC	Toshiba Keyboard Protector (Tecra/Satellite/Qosmio)
Security & Protection	NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock
Wireless/Bluetooth	PA3405U-1BTM	Toshiba Bluetooth USB Adapter
Wireless/Bluetooth	PA3370U-1BTM	Toshiba Bluetooth SD Card V 1.2

#### Subject to Change

a. "While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com)."

b. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com).

#### Return Policy

Notwithstanding anything to the contrary in any third party License Agreement or product documentation supplied with your PC, Toshiba America Information Systems, Inc. ("TAIS") does not accept the return of component parts, or bundled software, that have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

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Irvine CA 92618

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Toshiba PC Support website: <http://pcsupport.toshiba.com>

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Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries.

MobileMark™ is a trademark of the Business Applications Performance Corporation.

<sup>1</sup> Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features.

2 Central Processing Unit ("CPU") Performance Disclaimer.

CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power
3. use of certain multimedia, computer generated graphics or video applications
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of several applications or functionalities simultaneously
7. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
8. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at [www.pcsupport.toshiba.com](http://www.pcsupport.toshiba.com) for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide.

Contact Toshiba Technical Service and Support for more information.

3 The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed.

4 The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed.

<sup>5</sup> The graphics system in your computer may use part of the main system memory for graphics performance and therefore reduce the amount of system memory available for other computing activities. The amount of system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors.

6 1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

7 Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

(a) Over a period of time, and depending on the usage of the computer, the brightness of the LCD Screen will deteriorate. This is an intrinsic characteristic of LCD technology.

(b) Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

<sup>8</sup> Optional on some systems. Your system may or may not have these options.

<sup>9</sup> Optional on some systems. Your system may or may not have these options.

10 Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

11 Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

12 Battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by

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Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at [www.accessories.toshiba.com](http://www.accessories.toshiba.com).

<sup>13</sup> Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

<sup>14</sup> MobileMark is a trademark of the Business Applications Performance Corporation.

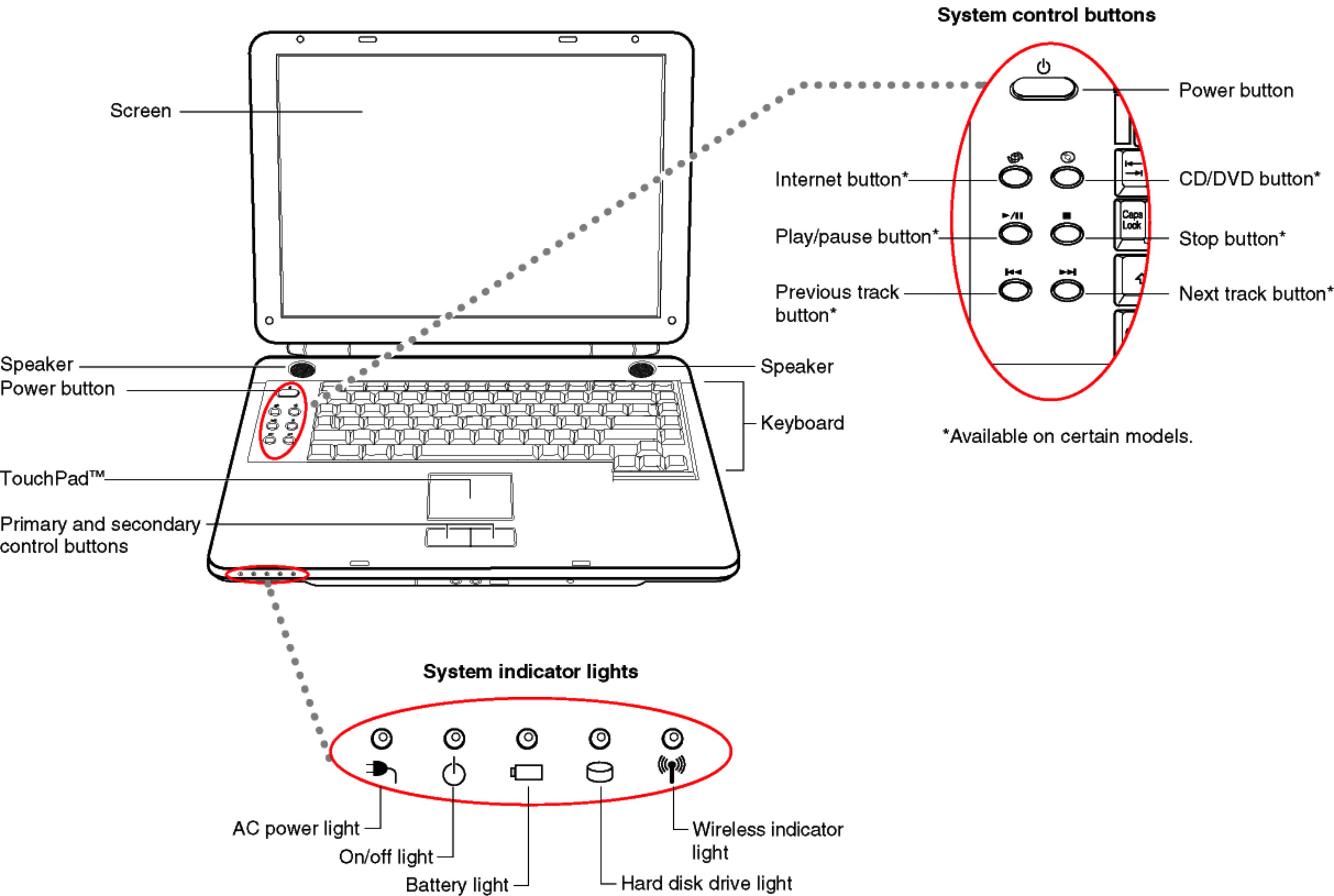
<sup>15</sup> Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

<sup>16</sup> Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

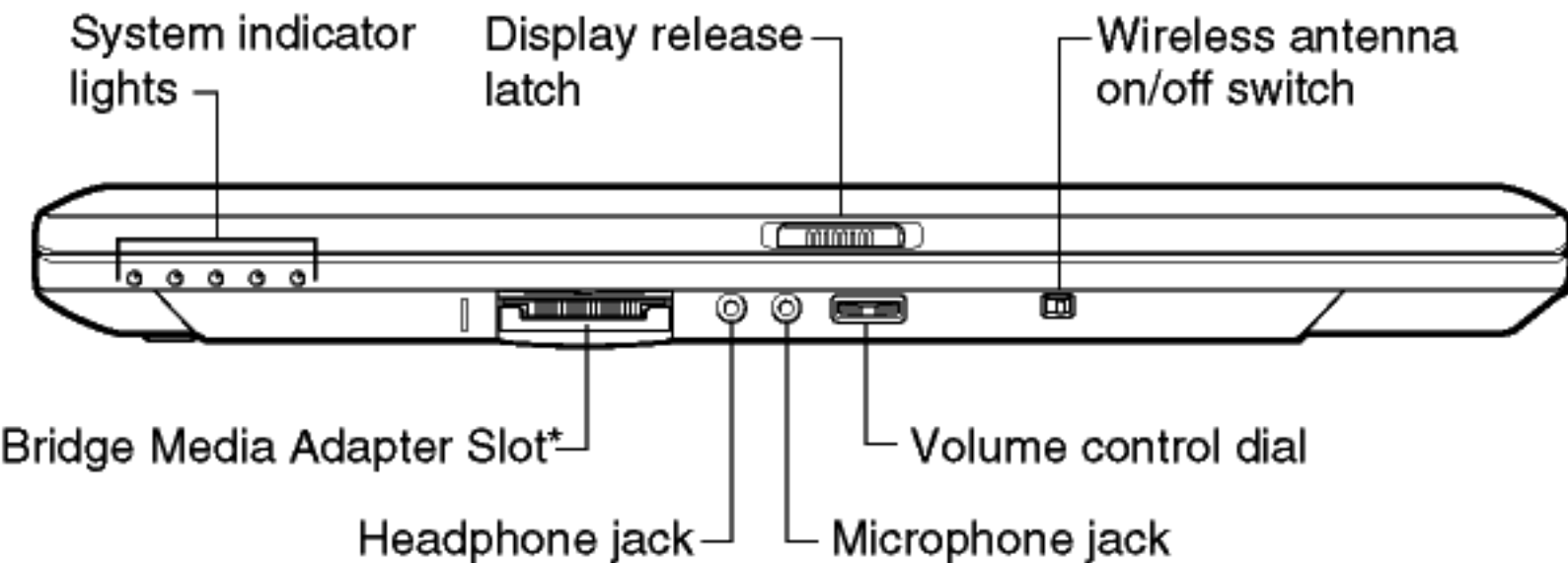
<sup>17</sup> AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

<sup>18</sup> All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.

# Front with display open



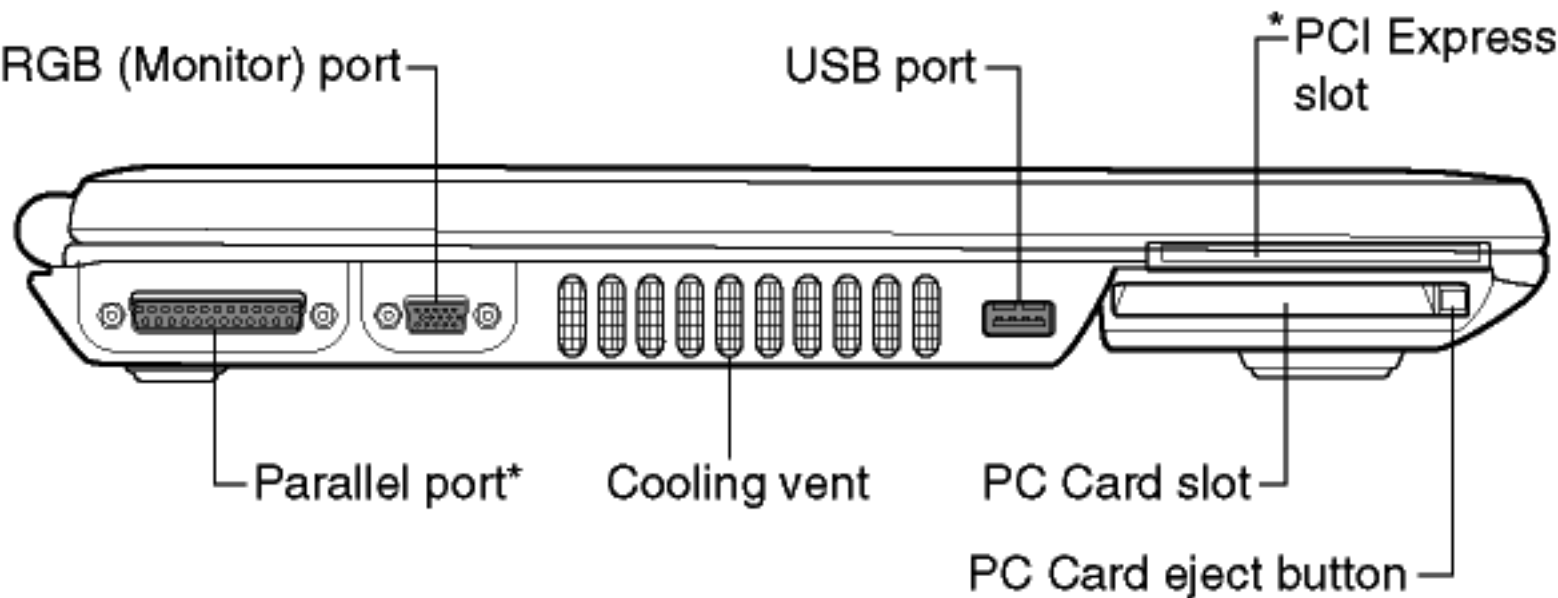
# Front with display closed



\*Available on certain models.

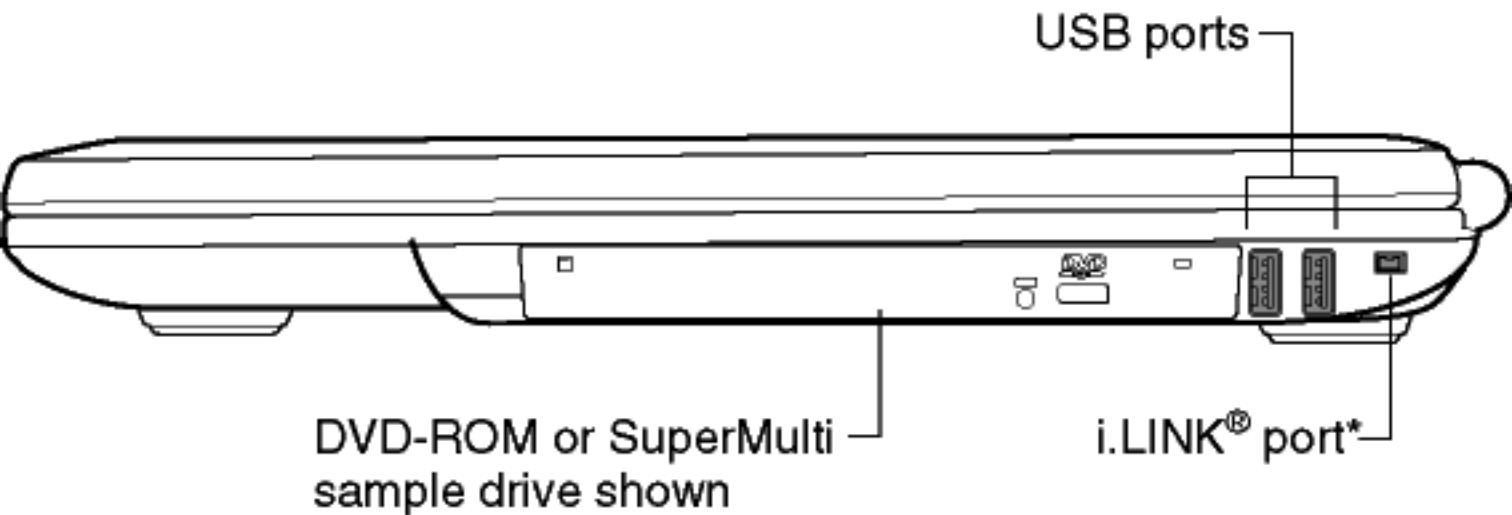


# Left side



\*Available on certain models.

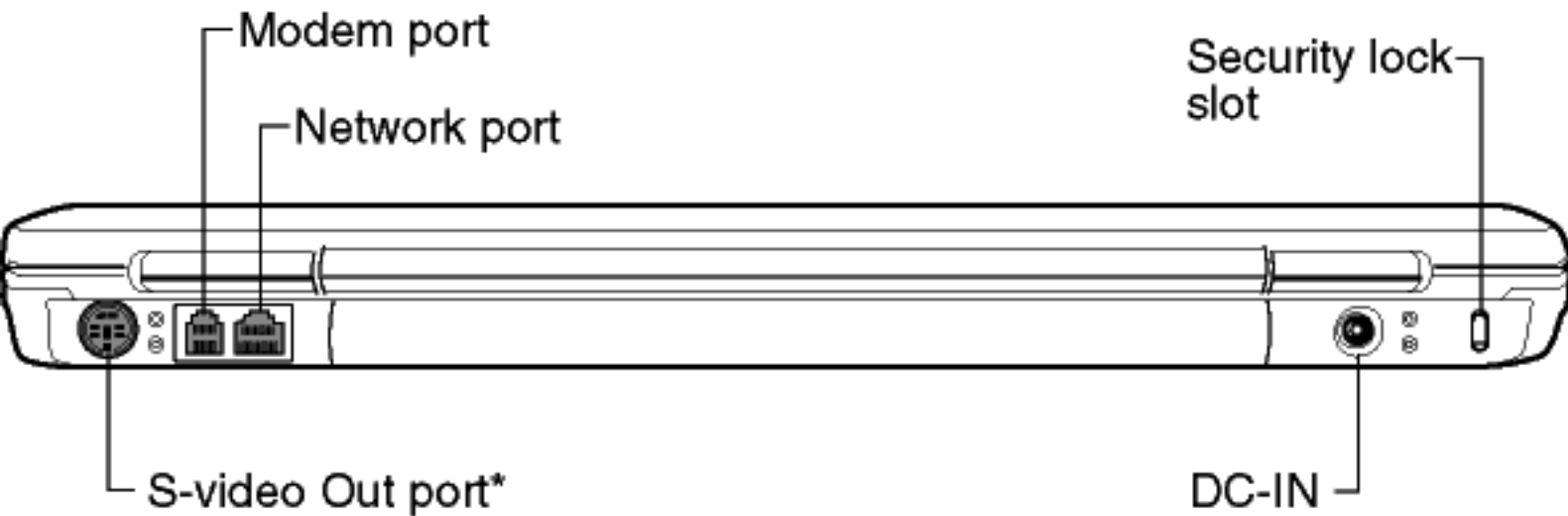
# Right side



\*Available on certain models.



# Back



\*Available on certain models.

# Underside

